



Missouri
Department of
Natural Resources

Union Electric Company (Ameren Missouri)
Power Plant Name: Labadie
Electric Generation and Emissions in 2011

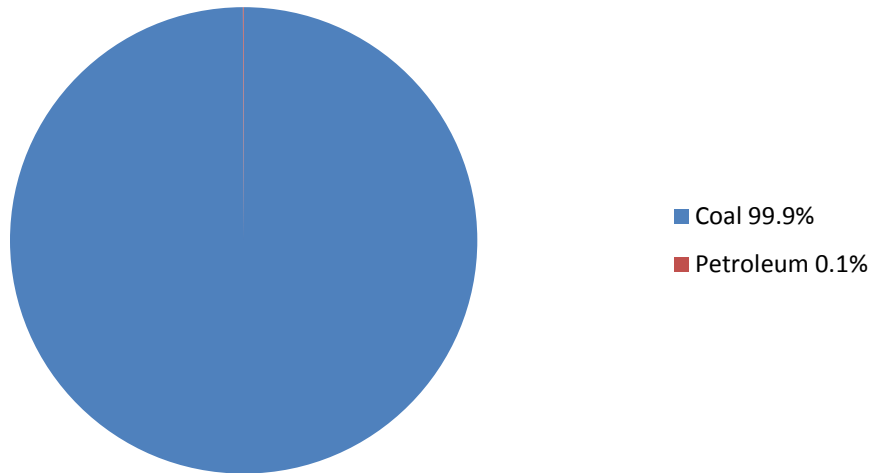
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal	190,649,106	99.9%	99.9%	18,581,156	99.9%	99.9%
Natural Gas						
Petroleum	98,831	0.1%	0.1%	9,640	0.1%	0.1%
Nuclear						
Other						
Non-renewable total	190,747,937	100.0%	100.0%	18,590,796	100.0%	100.0%
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	190,747,937		100.0%	18,590,796		100.0%

Fuel Type	Physical Units	Number of Units
Sub-bituminous Coal	Short Tons	10,851,247
Distillate Fuel Oil	Barrels	17,176



Net Generation by Fuel Type, 2011 for Labadie





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Power Plant Nameplate information for Labadie

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
<i>Labadie</i>		<i>All Operating Generators</i>			9,557.6
Labadie	Franklin	1	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	2,294.8
Labadie	Franklin	2	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	2,294.8
Labadie	Franklin	3	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	2,484.0
Labadie	Franklin	4	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	2,484.0



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Emissions from Electricity Generated in 2011: Labadie

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
Labadie	692,826,194	81,588,646	9,248,102	1,345,250

	Sulfur Dioxide (SO2) (TONS)	Annual Nitrogen Oxide (NOx) (TONS)	Summer Nitrogen Oxide (NOx) (TONS)
Labadie	121,355	0.0017	0.0017

Identified Flue Gas Desulfurization (FGD) controls installed on Labadie power plant

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on Labadie power plant

Plant	Control Equipment
Labadie	Electrostatic precipitator, cold side, with flue gas conditioning



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Notes:

Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy
<http://www.eia.gov/electricity/data/eia923>

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy
<http://www.eia.gov/electricity/data/eia860/index.html>

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,
<http://www.epa.gov/climateleadership/documents/emission-factors.pdf>